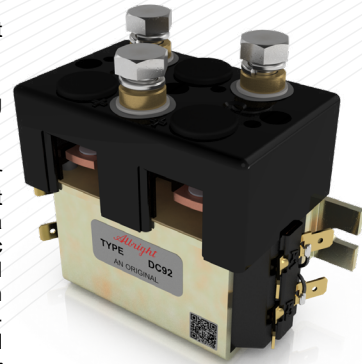


Application	Interrupted	Uninterrupted
Thermal Current Rating (I <sub>th</sub> )	100A	125A
Intermittent Current Rating:		
30% Duty	185A	230A
40% Duty	160A	200A
50% Duty	140A	175A
60% Duty	130A	160A
70% Duty	120A	150A
Rated Fault Current Breaking Capacity (I <sub>cn</sub> ) 5ms Time Constant: (in accordance with UL583*)		
DC92	800A at 48V	
DC92B	800A at 80V	
Maximum Recommended Contact Voltages (U <sub>e</sub> ):		
DC92	48V D.C.	
DC92B	96V D.C.	
Typical Voltage Drop per pole across New Contacts at 100A		
	40mV	
Mechanical Durability		
	>5 x 10 <sup>6</sup> Cycles	
Coil Voltage Available (U <sub>c</sub> ) (Rectifier board required for A.C.)		
	From 6 to 240V D.C.	
Coil Power Dissipation:		
Highly Intermittent Rated Types	20 - 30 Watts	
Intermittently Rated types	15 - 20 Watts	
Prolonged Rated Types	13 - 15 Watts	
Continuously Rated Types	7 - 13 Watts	
Maximum Pull-In Voltage (Coil at 20° C) Guideline:		
Highly Intermittent Rated types (Max 25% Duty Cycle)	60% U <sub>s</sub>	
Intermittently Rated types (Max 70% Duty Cycle)	60% U <sub>s</sub>	
Prolonged Operation (Max 90% Duty Cycle)	60% U <sub>s</sub>	
Continuously Rated Types (100% Duty Cycle)	66% U <sub>s</sub>	
Drop-Out Voltage Range		
	10 - 25% U <sub>s</sub>	
Typical Pull-In Time (N/O contacts to close)		
	20ms	
Typical Drop-Out Time (N/O Contacts to Open):		
Without Suppression	5ms	
With Diode Suppression	50ms	
With Diode and Resistor (Subject to resistance value)	8 - 20ms	
Typical Contact Bounce Period		
	3ms	
Operating Ambient Temperature		
	-40°C to +60°C	
Guideline Contactor Weight:		
DC92	770 gms	
Per Auxiliary	+ 20 gms	
With Blowouts	+ 50 gms	
<b>Auxiliary Details</b>		
Auxiliary Thermal Current Rating	5A	
<b>Auxiliary Contact Switching Capabilities (Resistive Load):</b>		
	5A at 24V D.C.	
	2A at 48V D.C.	
	0.5A at 240V D.C.	
<b>Advised Connection Sizes for Maximum Continuous Current</b>		
Copper busbar	52mm <sup>2</sup> [0.081inch <sup>2</sup> ]	
Cable	Rated suitable for Application	
<b>Key:</b> <span style="color:red">▾</span> = Interrupted <span style="color:blue">▾</span> = Uninterrupted		
<b>Note:</b> Where applicable values shown are at 20° C		
* Please check our web site for product UL status		

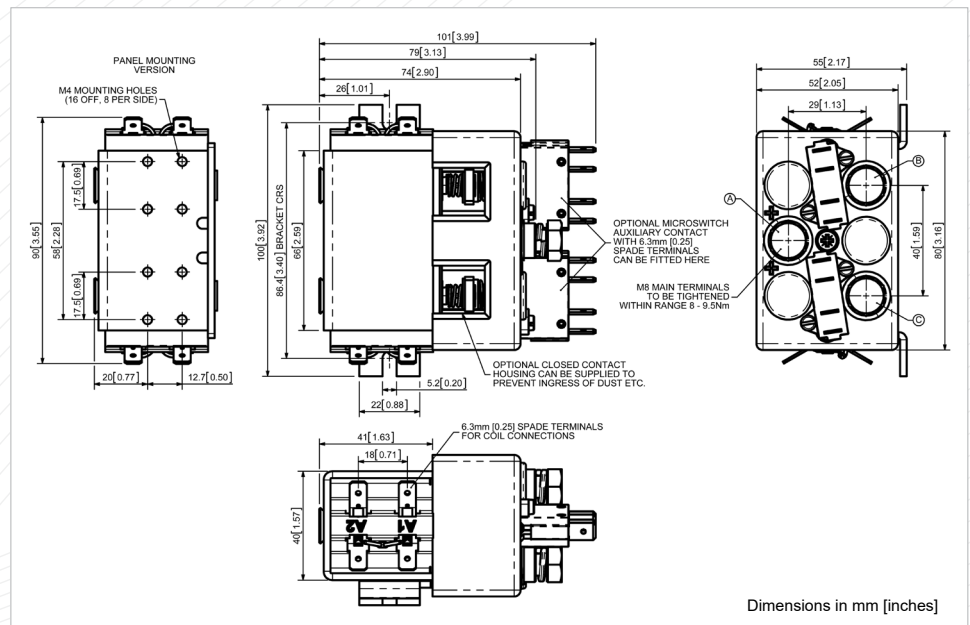
The DC92 has been designed for direct current loads, particularly motors as used on small electric vehicles such as light industrial trucks. Developed for both interrupted and uninterrupted loads, the DC92 is suitable for switching Resistive, Capacitive and Inductive loads.

- Interrupted** current - opening and closing on load with frequent switching (results in increased contact resistance).
- Uninterrupted** current - no or infrequent load switching requirements (maintains a lower contact resistance).

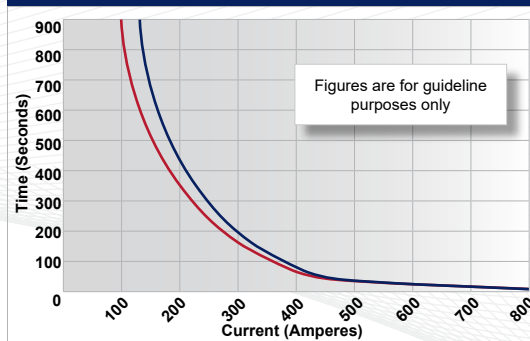
The DC92 features double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. The DC92 is a monoblock construction, resulting in a neat compact design which is compatible with modern electronic control systems. The M8 stud main terminals can be configured in a variety of ways in order to suit the application. Supplied with a mounting bracket as standard, or alternatively supplied with M4 tapped holes. Mounting can be horizontal or vertical, when vertical the M8 contact studs should point upwards. If the requirement is for downwards orientation we can adjust the contactor to compensate for this.



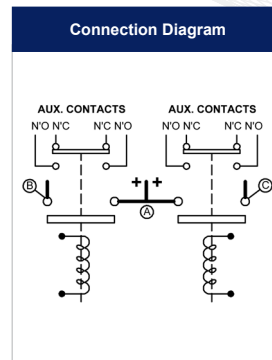
DC92



DC92 Contactor Performance



**Contact Performance Key:**  
— Interrupted Current  
— Uninterrupted Current



DC92 Available Options

General		Suffix
Auxiliary Contacts	<input type="radio"/>	A
Auxiliary Contacts - V3	<input checked="" type="radio"/>	
Magnetic Blowouts†	<input type="radio"/>	B
Magnetic Blowouts - High Powered†	<input type="radio"/>	B
Armature Cap	<input type="radio"/>	
Mounting Brackets	<input checked="" type="radio"/>	
Magnetic Latching† (Not fail safe)	<input type="radio"/>	M
Closed Contact Housing‡	<input type="radio"/>	
Environmentally Protected IP66 (see DC92P Catalogue sheet)	<input type="radio"/>	P
EE Type (Steel Shroud)	<input type="radio"/>	EE
<b>Contacts</b>		
Large Tips	<input type="radio"/>	L
Textured Tips	<input type="radio"/>	T
Silver Plating	<input checked="" type="radio"/>	
<b>Coil</b>		
AC Rectifier Board (Fitted)	<input type="radio"/>	
Coil Suppression†	<input type="radio"/>	
Flying Leads	<input type="radio"/>	F
Manual Override Operation	<input type="radio"/>	
M4 Stud Terminals	<input checked="" type="radio"/>	
M5 Terminal Board	<input type="radio"/>	
Vacuum Impregnation	<input type="radio"/>	
<b>Key:</b> <input type="radio"/> Optional <input type="radio"/> Standard <input checked="" type="radio"/> Not Available <input checked="" type="radio"/> X		
† Connections become polarity sensitive		
‡ Open Housing Available		

- Performance data provided should be used as a guide only. Some de-rating or variation from figures may be necessary according to application.
- Thermal current ratings stated are dependant upon the size of conductor being used
- For further technical advice email: [technical@albrightinternational.com](mailto:technical@albrightinternational.com)
- Albright reserve the right to change data without prior notice